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ACSI I-1614-0
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[1962] [14]p. 15. cfs. FASEB manuscript no. S 359-2.
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DESCRIPTORS: *Bioelectronics, *Nervous system,
Rabbits, Stimulation, Reaction (Psychology),
Brain, Visual perception, *Analyzers (Psychology),
*Vision, Autonomic nervous system

Recordings of the electric activity in the occipital cor-
tex, the hypothalamic region, the cerebellum and the
upper cervical sympathetic ganglion under the influence
of a flicker stimulus have shown that all the parts of
the nervous system are involved in the response reac-
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Washington, D. C.

Office of Technical Services

(NY-6939)

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Shilov, A. E., Shilova, A. K., and Bobkov, B. N.
REACTIONS OF α -OLEFINS WITH SOLUBLE
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AND THE MECHANISM OF INITIATION OF THE
POLYMERIZATION OF ETHYLENE. Sep 63, 10p
9refs

Order from PP \$140.00/year in Polymer Science USSR,
v. 4, no. 3, p. 526-535

Trans. of Vysokomolekulyarnye Soedineniya (USSR)
1962, v. 4, no. 11, p. 1685-1695. (Abstract available)
Another trans. is available from ATS \$12.75 as
ATS-65067R (1963) 9p.

DESCRIPTORS: *Polyethylene plastics, *Ethylenes,
Polymerization, Metalorganic compounds, Catalysts,
*Ziegler catalysts, *Titanium compounds, Ethyl
radicals, Chlorides, *Aluminum compounds, Methyl
radicals, Heptenes, Reaction kinetics.
(Materials--Plastics, TT, v. 11, no. 1) (over)

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Order from Heath Publishing Co., 285 Columbus Ave.,
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Trans. of monos: [Kak Stroit' Grafiki, Moscow] 1959
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DESCRIPTORS: *Graphic analysis, *Calculus,
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(Mathematics, IT, v. 9, no. 11)

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SCI 2 MIN/MET
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Shilov, A. E., Shilova, A. K., and Bobkov, B. N.
REACTION OF α -OLEFINS WITH SOLUBLE
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1962, v. 4, no. 11, p. 1688-1695.

DESCRIPTORS: *Ethylenes, Polymerization,
*Catalysts, Solubility, Chemical reactions,
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(Chemistry--Organic, TT, v. 10, no. 6)

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Order from OTS, SLA, or ETC \$1.60 TT-64-14361

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1962, v. 4 [no. 11] p. 1688-1695. (Abstract available)

Other translations are available from ATS \$12.75 as
ATS-65Q67R [1963] 9p and from PP \$140.00/year in
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DESCRIPTORS: *Polyethylene plastics, Preparation,
Alkenes, *Ethylenes, Polymerization, *Metalorganic
compounds, *Ziegler catalysts, *Titanium compounds,
*Aluminum compounds, Chlorides.

(Chemistry--Organic, TT, v. 11, no. 11)

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The Mechanism and Isotope Effect of the Primary Act
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Shilov, A. Ye. and Sabirova, R. D.
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POSITION OF CHLORINE DERIVATIVES OF METH-
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RIDE AND METHYL CHLORIDE (Mekhanizm Pervich-
nogo Akta Termicheskogo Raspada Khlorproizvodnykh
Metana). Nov 60 [17]p. 19 refs. RTS 1527.
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The kinetics of the thermal decomposition of carbon
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gated. The primary decomposition in both cases takes
place with the disruption of a chlorine atom. A mech-
anism for the secondary reaction is suggested, which
agrees with the products of reaction and the kinetic
data. (Author)

(Chemistry-Physical, TT, v. 5, no. 4)

61-13488

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- I. Shilov, A. Ye.
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Order from LC or SLA mi\$1.80, ph\$1.80 61-15384

Trans. of Akademiya Nauk SSSR. Doklady, 1954, v. 98, no. 4, p. 601-604.

(Chemistry--Physical, TT, v. 5, no. 7)

61-15384

1. Allyl compounds--
Decomposition
2. Chlorides--Decomposition
- I. Shilov, A. Ye.
- II. RTS-1706
- III. Department of Scientific
and Industrial Research
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Synthesis of Ethylene Chlorohydrin. II.
Temperature Coefficient of the Rate of the Gomberg
Reaction, by E. A. Shilov, N. P. Kanyayev.

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DSIR LLJ M. 1386

Sci - Chem

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The Chlorination of Acetic Acid, by E. A.
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Order from OTS, SLA, or ETC \$1.10 TT-61-16814

Trans. of Sinteticheski Kauchuk (USSR) 1934 [v. 3]
no. 4, p. 7-11.

DESCRIPTORS: *Butadienes, *Butanols, Condensation
reactions, *Acetaldehydes, Synthesis (Chemistry),

(Chemistry--Organic, TT, v. 11, no. 3)

TT-61-16814

- I. Title: Aldoe
- I. Shilov, F. A.
- II. Yakimov, G. I.
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On ~~the~~ the Participation of Halogen Cations in the
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TIBLE GASES. [1961] Sp. 7 reis.
Order from CTS or SLA \$1.10 61-18248

Trans. of Zhurnal Obshchei Khimii (USSR) 1945, v. 15
[no. 3] p. 135-141.

DESCRIPTORS: *Chlorines, *Ethylenes, *Gases,
*Oxides, Inflammable materials, Catalysis, Ignition,
Additives, Thermochemistry, Combustion.

Inflammation of mixtures of chlorine with ethylene was
studied in the presence of various volatile and non-
volatile additions. Oxides of mercury, silver and lead
pronouncedly reduce the inflammation temperature.
Mixtures of ethylene and chlorine explode even at room
temperature on mercurous and mercuric oxides, on
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The Preparation of Ethylene Chlorohydrin,
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DSIR LLU M.1062

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Dichloride From Ethylene and HOCl at Low Con-
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Sci - Chem

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Kinetics of the Addition of Hypochlorous
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Kanyayev. UNCL

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